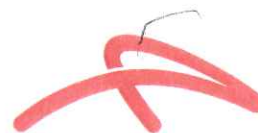


ArcelorMittal USA LLC  
Indiana Harbor East



ArcelorMittal

Mr. Richard L. Nagle  
Assistant Regional Counsel  
U. S. Environmental Protection Agency  
Region V, C-14J  
77 West Jackson Boulevard  
Chicago, Illinois 60604

RECEIVED

MAY 15 2018

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

April 30th, 2018

**Subject: ArcelorMittal USA LLC - (Formerly known as Ispat Inland Inc.)**  
**Civil Action H90-0328 – Required Reports**

Dear Mr. Nagle:

Enclosed is one copy of the First Quarter of 2018 Report required by the June 10, 1993 Consent Decree. The individual reports concerning each section of the order are being sent to the technical contact(s) as follows:

<u>SECTION</u>	<u>TOPIC</u>	<u>CONTACT</u>
V	Clean Water	Sangsook Choi ✓
VI	Clean Air	Brent Marable
VII	RCRA	Brandon Pursel
VIII	SEP, Section A	Sangsook Choi
VIII	SEP, Section B	Completed: No longer required.

Additionally, a copy of these reports is being sent to IDEM's Mr. Bruno Pigott – Commissioner. The former Ispat Inland Inc. facility subject to the June 10, 1993 Consent Decree is currently split into two divisions with separate management: ArcelorMittal USA LLC Flat Products and ArcelorMittal USA LLC Long Carbon. ArcelorMittal Indiana Harbor Long Carbon has been idled since April 2015 due to business conditions. The portions of the above reports that are under the control of ArcelorMittal Indiana Harbor Long Carbon, i.e. the former Plant 4 facilities include the Electric Arc Furnace, 12" Bar Mill and Outfalls 001 and 602.

ArcelorMittal USA LLC.

3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-5740  
F + (219) 399-3211

I certify under penalty of law that this document and any attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my directions and my inquiry of the person(s) who manage the system, or the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Sincerely,



Wendell Carter

Vice President ArcelorMittal USA & General Manager - Indiana Harbor

WC/KAD/nmc

Attachments

Cc: S. Choi (EPA)  
B. Pursel (EPA)  
B. Marable (EPA)  
B. Pigott (IDEM)

N: EAFFAIRS\Quarterly Reports\Consent Decree 1Q18

ArcelorMittal USA LLC.

3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-5740  
F + (219) 399-3211



Mr. Richard L. Nagle  
Assistant Regional Counsel  
U. S. Environmental Protection Agency  
Region V, C-14J  
77 West Jackson Boulevard  
Chicago, Illinois 60604

April 30th, 2018

**Subject: ArcelorMittal Indiana Harbor Long Carbon (Formerly known as Ispat Inland Inc. Plant 4)  
Civil Action H90-0328 – Required Reports**

Dear Mr. Nagel:

Enclosed is one copy of the First Quarter 2018 Report required by the June 10, 1993 Consent Decree. The individual reports concerning each section of the order are being sent to the technical contact(s) as follows:

<u>SECTION</u>	<u>TOPIC</u>	<u>CONTACT</u>
V	Clean Water	Sangsook Choi
VI	Clean Air	Brent Marable
VII	RCRA	Brandon Pursel
VIII	SEP, Section A	Sangsook Choi
VIII	SEP, Section B	Completed: No longer required.

ArcelorMittal Indiana Harbor Long Carbon has been idled since April 2015 due to business conditions.

Sincerely,

*Michael Shumelda for TB*

Tom Barnett  
Oversight of Plant 4 Operations  
Consent Decree  
Environmental

TRB/nmc  
Attachments

Cc: S. Choi  
B. Pursel  
B. Marable

N: EAFFAIRS\Quarterly Reports\Consent Decree 1Q18

**Arcelor Mittal USA LLC.**

Indiana Harbor East  
3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-4036  
F + (219) 395-4866

ArcelorMittal USA LLC  
Indiana Harbor East



Ms. Sangsook Choi  
U. S. EPA – Region V (WC-15J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604

April 30th, 2018

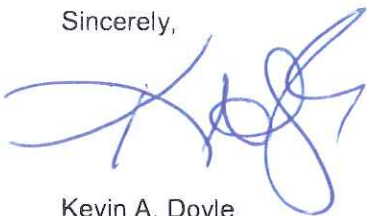
**Subject: ArcelorMittal USA LLC – (Formerly known as Ispat Inland Inc.)  
Civil Action H90-0328  
Quarterly Status Report – Clean Water Act Compliance Program  
Section V**

Dear Ms. Choi:

As required by Section X of the Consent Decree, enclosed please find the Quarterly Status Report for the Clean Water Act Compliance Program for the First quarter of 2018.

If you have any questions concerning this Status report, please call Kevin Lurtz of my staff at (219) 399-3189.

Sincerely,



Kevin A. Doyle  
Manager, Environmental  
ArcelorMittal USA LLC

Enclosure

KAD:nmc

N:EAFPAIRS\Quarterly Reports\Consent Decree Water

**Arcelor Mittal USA LLC.**

3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-1686  
F + (219) 399-3211

Quarterly Progress Report  
Civil Action H90-0328  
Section V  
Clean Water Act Compliance Program  
First Quarter, 2018

**Sampling and Laboratory  
Quality Control/quality Assurance Program**

ArcelorMittal USA has not received EPA's review of the Sampling and Laboratory Program, submitted on August 31, 1993. Work has been completed on the Sampling and Laboratory Program anticipating EPA's review and approval. A progress report on implementation of the program and the report, required by Sec. V.8, identifying each exceedence of an effluent limitation caused or suspected to be caused by a sampling error is enclosed. The ArcelorMittal USA laboratory continues to be accredited through the American Association of Laboratory Accreditation (A2LA).

**Outfall 014 Corrective Measures Plan**

ArcelorMittal USA submitted a revised Corrective Measures Plan (CMP) for Outfall 014 on March 7, 1994. The revised CMP corrects deficiencies noted in EPA's January 21, 1994 review of the CMP.

ArcelorMittal USA has not received EPA's review and approval of the revised plan. Enclosed is a progress report of the CMP implementation.

Upon review of the Outfall 014 Corrective Measures Plan, the following changes are being made:

1. Scalping Tank sounding will be conducted 2 times per year rather than quarterly. (Due to the length of time required to conduct cleaning and the time required to coordinate equipment availability annual cleanings have been adequate. Based on experience Quarterly soundings is excessive.) (TTP East, TTP West, TTP North, Plant 1 Scalping Tanks)
2. TTP North Scalping Tanks – Exercise Sluice Gates – Sluice Gates will be exercised annually on a preventative maintenance basis rather than Quarterly. The Scalping Tanks have not been cleaned more frequently than annually historically. Therefore the sluice gates will be exercised only on an annual basis.
3. Monitor Oil on Plant 1 Scalping Tanks – Monitoring and recovers of oil on the Plant 1 Scalping Tanks will be conducted weekly rather than “daily” (Monday – Friday). Flow through these pits has decreased significantly since the initial evaluations.
4. Pump Stations Inspections – Pump Station inspections will be conducted every 2 years instead of annually. Pump Station cleaning has been conducted not more frequently than three years inspecting every two years would provide adequate information to determine the need to clean.

## **Outfall 012 Corrective Actions**

A permanent bulkhead was installed in the discharge flume at Outfall 012 on February 16, 1994, eliminating all discharge from the Outfall. Because there is no longer any discharge from Outfall 012, no further actions are necessary to meet the requirements Sec. V.20, Sec. V.30, Sec. V.31, Sec. V.32, and Sec V.39.

## **No. 11 Coke Battery Biological Treatment Plant Cyanide and Ammonia Nitrogen Management Plan**

The Plant No. 2 Coke Plant was shut down in December 1993 and the No. 11 Battery Biological Treatment plant was shut down on March 10, 1994. Therefore, no further actions are necessary to meet the requirements of Sec. V.42, Sec. V.47, and Sec. V.48.

## **Intake Water Study and Phenol and Ammonia-Nitrogen Management Plan**

ArcelorMittal USA has met the requirements of Sec. V.51, demonstrating that there is no significant increase in the concentrations of ammonia-N or phenol (4AAP) between No. 7 Pumphouse and Outfall 018. Therefore no further actions are necessary to meet the requirements of Sec. V.53, Sec. V.57, Sec. 58, Sec. 59, and Sec. 60.

## **Sanitary Waste Compliance Measures**

ArcelorMittal USA has met the requirements of Sec. V.65, demonstrating continuous compliance with NPDES Permit limits for the discharge of BOD at Outfall 015 from May 1, 1993 through June 30, 1993. Therefore no further actions are necessary to meet the requirements of Sec. V.65, Sec. V.66, Sec. V.70, and Sec. V.71.

## **Environmental Communications Program**

ArcelorMittal USA has not received EPA's review of the Environmental Communications Program (ECP) submitted on May 27, 1993. ArcelorMittal USA has implemented selected sections of the program anticipating EPA's review and approval.

## **Corrosion Inhibitor Control Program**

Enclosed is the yearly certification required by Sec.V.12 that no heavy metal corrosion inhibitors are being used or have been used in the preceding year in once-through or open-re-circulating water systems.

## **Plant-wide Visible Oil Corrective Action and Monitoring Plan**

ArcelorMittal USA has not received EPA's review of the Plant-wide Visible Oil Corrective Action and Monitoring Plan (VOCAAMP). ArcelorMittal USA has implemented the VOCAAMP anticipating EPA's review and approval.

Enclosed is the report required by Sec. V.84 identifying each observation (including trace amounts) of visible oil in the effluent discharged from any external outfall and any corrective measures that are required.

**SAMPLING AND LABORATORY**

**QUALITY CONTROL \ QUALITY ASSURANCE PROGRAM**





**Inter-Communication**

---

April 30th, 2018

To: Michael Shimerdla  
Engineer  
Environmental

From: Scott Schuldt  
Process Manager  
QA, Lab Services

D. Scott Schuldt

CC: Anita Phelps

Subject:

**First Quarter, 2018 Progress Report for Environmental Laboratory QA/QC**

I have reviewed the Sampling and Laboratory QA/QC Program and find that it is adequate.

**SAMPLING ERRORS CAUSING EFFLUENT  
EXCEEDENCES**

**FIRST QUARTER 2018**

There were no sampling errors causing an exceedence of an NPDES permit limit during the first quarter of 2018.

**OUTFALL 014 CORRECTIVE MEASURES PLAN**

**PROGRESS REPORT FOR THE FIRST QUARTER 2018**

## *Signatory Page*

I have reviewed the attached information associated with the *Quarterly Progress Report* for the *Corrective Measures Plan for Outfall 014*. All information found within is true, accurate, and complete to the best of my knowledge. This document is submitted in lieu of individual signatures on each sheet.

Manager:  
Utilities



Date: 4/17/18

OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR QUARTER 1, 2018

No. 2 BOF

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Install sample taps on both thickeners to monitor sludge depth.	12/01/93	COMPLETE 12/1/93	WSK/PB

ON-GOING CLEANING AND MAINTENANCE

TASK	REQUIRED FREQUENCY	REQUIREMENT MET YES/NO	RESPONSIBLE (Initials)
Monitor sludge density in each thickener, monitor rake torque, adjust sludge removal rate accordingly.	Previously done once every 8 hour shift. 2 BOF idled June 2017.	N/A	N/A
Remove sludge from the blowdown clarifier.	Previously done twice per week. 2 BOF idled June 2017.	N/A	N/A

OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR QUARTER 1, 2018

80" MILL TREATMENT PLANT

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Repair clarifier sludge removal system.	06/30/93	COMPLETE 6/30/93	WSK/JP
Complete engineering evaluation of the oily waste treatment system (DAF) and prepare corrective measures with timetable for completion.	09/03/94	COMPLETE 9/29/94  (PER MEMO TO BOB JOHNSTON, E,H &S, THE DAF UNIT IS NOW OPERATED AS AN API SEPARATOR AS ORIGINAL DESIGN )	WSK

OUTFALL 014 CORRECTIVE MEASURES PLAN  
 PROGRESS REPORT FOR QUARTER 1, 2018

PLANT No.1 SCALE PITS

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Inspect and clean scale pits.	09/30/94	COMPLETE 5/6/94	WSK/HP
Inspect and repair scale pit inlet gates.	06/30/94	COMPLETE 8/31/94	WSK/HP
Inspect and clean scale pit overflow weirs.	09/30/94	COMPLETE 5/6/94	WSK/HP

ON-GOING CLEANING AND MAINTENANCE

TASK	REQUIRED FREQUENCY	*REQUIREMENT MET YES/NO	RESPONSIBLE (Initial)
Monitor scale pit sludge depths, clean as required.	Previously done every three years 5E1 & 5E3 No longer required by Environmental Department as of 2 <sup>nd</sup> Q 2017.	N/A	N/A
Monitor scale pits for oil, clean as required.	No longer required by Environmental Department as of 2 <sup>nd</sup> Q 2017. There is no further input of oil or sludge into 5E1 & 5E3 pits.	N/A	N/A
Inspect and calibrate level control and flow monitoring systems.	ANNUALLY	01/08/2018	MTD/R.O. <i>[Signature]</i> / rgo

\* For tasks with a frequency of less than once per month, record date of last activity.

OUTFALL 014 CORRECTIVE MEASURES PLAN  
 PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT EAST

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Inspect and clean scalping tank.	06/30/94	COMPLETE 6/1/94	WSK/HP
Inspect and clean pump station.	9/30/94	COMPLETE 10/21/94	WSK/HP
Inspect and clean settling basins.	11/30/94	COMPLETE 10/1/94	WSK/HP
Inspect and repair scalping tank inlet gates or develop alternate method of isolation.	06/30/94	COMPLETE 5/27/94	WSK/HP
Realign Scalping Tank "C" skimmers or replace with alternate means of oil collection.	09/30/94	COMPLETED 10/24/94 REALIGNMENT IS NOT REQUIRED	WSK/HP
Repair settling basin oil skimming gates	09/30/94	ALL GATES ARE FUNCTIONAL 9/30/94	WSK/HP
Repair one 38,000 gpm fixed speed pump and one 22,000 gpm variable speed pump.	12/31/94 <u>RESCHEDULED TO 9/30/95</u>	COMPLETED 7/9/95	WSK/HP
Restore TTPE level control system to control surge well level as originally designed	09/30/93	COMPLETE 9/22/93	WSK/HP



OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT EAST

ON-GOING CLEANING AND MAINTENANCE

TASK	REQUIRED FREQUENCY	*REQUIREMENTS MET YES/NO	RESPONSIBLE (Initials)
Monitor scalping tank sludge depth, clean as required.	<u>Annually</u>	<i>Sounding Completed: 07/13/2017 Cleaned: 04/18,20 &amp; 21,2017</i>	MTD/R.O. <i>MSD / rgo</i>
Monitor scalping tank oil, remove as required.	Daily	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Monitor oil sump, empty when full.	Weekly	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Monitor <i>settling basin</i> sludge depth, clean as required.	Annually	<i>Sounding Completed: 07/13/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Monitor settling basin oil, adjust skimming gates as needed.	Daily	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Monitor pump station for oil, empty when full.	Weekly	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Inspect pump station and clean for solids.	<u>EVERY 2 YEARS</u>	<i>Completed 04/17/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Inspect scalping tank launders, clean as required.	<u>Every Other Year</u>	<i>Inspected 04/17/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Monitor settling basin effluent basin for oil, remove as necessary.	Monthly	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Clean debris from bar screens, scalping tanks, and pump station.	As Required	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Inspect and calibrate pump station level control system.	ANNUALLY	<i>YES, REPORTED 01/08/2018</i>	MTD/R.O. <i>MSD / rgo</i>
Inspect and calibrate surge well level control system.	ANNUALLY	<i>YES, REPORTED 01/08/2018</i>	MTD/R.O. <i>MSD / rgo</i>

\* For tasks with a frequency of less than once per month, record date of last activity.

OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT NORTH

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Clean inlet chamber, inlet flumes, and settling cells.	11/15/94	COMPLETED 11/10/94	WSK/HP
Inspect and clean hot well and cold well.	09/30/94	COMPLETE 9/28/94	WSK/HP
Inspect and repair or replace inlet chamber sluice gates.	09/30/94	COMPLETE 4/14/94	WSK/HP
Investigate and correct the problem with frequent pump cycling and flow reversal.	09/30/93	COMPLETE 9/30/93	WSK/HP

OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT NORTH

ON-GOING CLEANING AND MAINTENANCE

TASK	REQUIRED FREQUENCY	*REQUIREMENT MET YES/NO	RESPONSIBLE (Initials)
Monitor lagoons for sludge depth, clean as required.	<u>Annually</u>	<u>Soundings:</u> <u>07/14/2017</u> <u>Cleaned scalping pits</u> <u>05/09/2017</u>	MTD/R.O. <i>MSA rgo</i>
Monitor oil collection box, empty when full.	Weekly	YES, DAILY ROUTE REPORTS	R.O. <i>rgo</i>
Clean large debris from oil collection box as necessary.	Monitor Monthly clean as necessary	YES, DAILY ROUTE REPORTS	R.O. <i>rgo</i>
Monitor pump station for oil and clean as necessary.	Monthly	YES, DAILY ROUTE REPORTS	R.O. <i>rgo</i>
Clean debris from bar screens, oil lagoons, oil collection tank, and pump station.	Monitor Monthly clean as necessary	YES, DAILY ROUTE REPORTS	R.O. <i>rgo</i>
Skim oil with Vacuum Truck as necessary.	Weekly	YES, DAILY ROUTE REPORTS	R.O. <i>rgo</i>
Exercise sluice gates.	<u>ANNUALLY</u>	Completed: 05/23/2017	MTD/R.O. <i>MSA/rgo</i>
Inspect and calibrate wet well level control system.	ANNUALLY	YES, REPORTED 01/08/2018	MTD/R.O. <i>MSA/rgo</i>

\* For tasks with a frequency of less than once per month, record date of last activity.

OUTFALL 014 CORRECTIVE MEASURES PLAN  
 PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT WEST

REPAIR AND RESTORATION

TASK	DUE DATE	COMPLETION DATE	RESPONSIBLE (Initials)
Clean scalping tanks and equalization flume	Third Quarter 1993	COMPLETE 11/5/93	WSK/HP
Clean low lift pump station	11/15/93	INSPECTED 11/15/93	WSK/HP
Clean settling basin influent flume.	06/30/94	COMPLETE 4/20/94	WSK/HP
Clean settling basins.	11/18/93	SOUNDED 11/18/93 'NOT REQUIRED'	WSK/HP
Clean cooling tower pump well	06/30/93	COMPLETE 6/30/93	WSK/HP
Repair inlet chamber bar screen.	09/30/94	COMPLETE 9/23/94	WSK/HP
Repair leaking oil sump.	09/30/93	COMPLETE 9/30/93	WSK/HP
Repair and recalibrate control system to operate pumps and blowback valve as designed.	09/30/94	COMPLETE 5/19/94	WSK/HP
Repair and put in service the blowback valve and 15,000 gpm pump.	12/31/94	COMPLETE 9/23/94	WSK/HP
Level the effluent weir in the south settling basin.	09/30/94	COMPLETE 9/2/94	WSK/HP
Return the settling basin oil skimming troughs to service.	09/30/93	COMPLETE 9/30/93	WSK/HP

OUTFALL 014 CORRECTIVE MEASURES PLAN  
 PROGRESS REPORT FOR QUARTER 1, 2018

TERMINAL TREATMENT PLANT WEST

ON-GOING CLEANING AND MAINTENANCE

TASK	REQUIRED FREQUENCY	*REQUIREMENT MET YES/NO	RESPONSIBLE (Initials)
Monitor scalping tank sludge depths, clean as required.	Annually	<i>Sounding Completed: 07/17/2017 Cleaned: 07/10/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Monitor scalping tank oil sump, empty as required.	Weekly	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Monitor settling basin sludge depths, clean as required.	Annually	<i>Sounding: Completed 07/20/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Monitor and clean settling basin influent flume if required.	<u>Every Three Years</u>	<i>Basin Sounding: 07/20/2017</i>	MTD/R.O. <i>MSD / rgo</i>
Remove oil from low lift pump station, settling basin effluent flume, and cooling tower pump station.	Monthly	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Clean bar screen and scalping tank oil troughs.	As required	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Remove debris in the scalping tanks and pump station when observed.	As required	<i>YES, DAILY ROUTE REPORT</i>	R.O. <i>rgo</i>
Inspect and calibrate the level control system.	Annual	<i>YES, REPORTED 01/08/2018</i>	MTD/R.O. <i>MSD / rgo</i>

\* For tasks with a frequency of less than once per month, record date of last activity.

**OUTFALL 014 CORRECTIVE MEASURES PLAN  
PROGRESS REPORT FOR FIRST QUARTER, 2018**

**80" HOT STRIP MILL**

**ON-GOING CLEANING AND MAINTENANCE**

TASK	REQUIRED FREQUENCY	*REQUIREMENT MET YES/NO	RESPONSIBLE (Initials)
Clean solids from #1 scale pit.	Weekly	YES	CT
Inspect #1 scale pit for oil, clean as required.	Weekly	YES	CT
Inspect #1 scale pit pump well, clean as required.	Monthly	YES	CT
Inspect #2 scale pit for oil and solids, clean as required.	Weekly	YES	CT
Clean solids from #3 scale pit.	On Down Turns	YES	CT
Monitor #3 scale pit for oil, clean as required.	Daily	YES	CT
Monitor #3 scale pit pump station for solids and oil, clean as required.	Monthly	YES	CT
Inspect #4 scale pit for oil and solids, clean as required.	Quarterly	4/18/18	JV

\* For tasks with a frequency of less than once per month, record date of last activity.

Manager: MRM Date: 4/23/18

**VISIBLE OIL CORRECTIVE ACTION  
AND MONITORING PLAN**

**SECTION V.84 REPORT**

**FIRST QUARTER 2018**

**Visible Oil Monitoring Report  
First Quarter, 2018**

**Outfall 001**

No corrective measures are required at Outfall 001.

**Outfall 011**

No corrective measures are required at Outfall 011.

**Outfall 014**

No corrective measures are required at Outfall 014.

**Outfall 018**

No corrective measures are required at Outfall 018.



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Mr. Brent Marable  
Air Compliance Branch Chief AE-17J  
U. S. Environmental Protection Agency, Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604

April 30th, 2018

**Subject: ArcelorMittal USA LLC – (Formerly known as Ispat Inland Inc.)  
Progress Report – Air Issues - Order No. H90-0328; H81-216, H79-75**

Dear Mr. Marable:

The purpose of this letter is to provide a report of progress in complying with the requirements of the Order in the above captioned matter.

*CIVIL ACTION H90-0328*

*SECTION VI – CLEAN AIR ACT COMPLIANCE PROGRAM*

PART I

No. 4 AC was permanently shut down on November 26, 2003. Therefore, this section has been eliminated.

PART II

ArcelorMittal USA, LLC. - Indiana Harbor East's last operating coke battery was permanently shutdown December 14, 1993. Therefore, this section has been eliminated.

PART III

Required instrumentation has been installed and is functional with data being retained on file. Observation frequencies are being adjusted as mandated. Attachment "B" presents related compliance performance.

ArcelorMittal USA LLC.

3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-1686  
F + (219) 399-3211

Mr. Brent Marable

April 30th, 2018

Page Two

#### SECTION IV - H81-216, H79-75

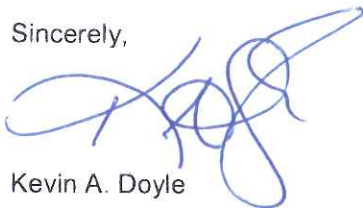
No. 5 Blast Furnace and No. 6 Blast Furnace have been idled since October 2010 and June 2010 respectively, due to business conditions.

#### SECTION XII - NO. 4 BOF SCRUBBER LIMITATIONS

There were no periods when scrubber water fell under 600 gpm or scrubber dP was less than 25" of water during O<sub>2</sub> "blow" as specified in the original decree. The scrubber has been modernized as of May 18, 2007 to comply with the Iron and Steel NESHAP. New limits have been set based on a compliance demonstration with 2 and 3 scrubbers in operation. Any deviations from the new limits will be reported to the Agency in the Semiannual MACT Compliance Report.

The above information has been submitted to comply with the reporting requirements of Section VI of the subject Order.

Sincerely,



Kevin A. Doyle  
Manager, Environmental  
ArcelorMittal USA LLC

Attachments

KAD:MPS:nmc

N:\Eaffairs\Quarterly Reports\Consent Decree 4Q17

April 30<sup>th</sup>, 2018

ArcelorMittal USA LLC.

3001 Dickey Road  
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**ATTACHMENT "B"**  
**FIRST QUARTER, 2018**  
**USEPA**

**PROCESS EMISSION OBSERVATIONS**

01/01/18 – 3/31/18

<b>PROCESS LOCATIONS</b>	<b>PERIODS OF READINGS</b>	<b>EXCURSIONS</b>	<b>PERCENT IN COMPLIANCE</b>	<b>READING PERIOD (MINUTES)</b>	<b>AVERAGE OPACITY FOR MAX PERIODS</b>
Electric Furnace Roof Monitor	0	0	NA, idle	6"	0.00
No. 4 BOF Roof Monitor	180	0	100%	3"	0.01

ArcelorMittal USA



Mr. Brandon Pursel  
U.S. Environmental Protection Agency, Region 5  
77 West Jackson Boulevard  
Mail Code LU-9J  
Chicago, Illinois 60604-3507

April 27, 2018

**Subject: March 2018 Monthly and First Quarter 2018 Progress Report  
ArcelorMittal USA LLC – ArcelorMittal East (formerly Indiana Harbor East)  
EPA ID No. IND 005 159 199**

Dear Mr. Pursel,

Attached is the March 2018 Monthly and Fourth Quarter 2018 Progress Report for RCRA Corrective Action Activities at ArcelorMittal USA LLC - ArcelorMittal East in East Chicago, Indiana. This Report has been prepared as part of ongoing RCRA Corrective Action activities, based on the 1993 Consent Decree agreed to by Inland Steel, occurring within the ArcelorMittal USA LLC - ArcelorMittal East facility (formerly Indiana Harbor East, Mittal Steel USA Inc., Ispat Inland Inc., and Inland Steel). Per our previous agreement with USEPA, the monthly report has been combined with the quarterly report for the month ending a quarter. This report was prepared in general accordance with Section X and Attachment I, Section E of the Consent Decree.

If you have any questions regarding this Monthly Status Report, please call me at (330) 659-9162 or Kenneth Hill of AECOM at (219) 399-1349.

Sincerely,



John R. Hill  
Sr. Engineer Environmental Affairs  
ArcelorMittal USA

cc: Chris Myer, IDEM  
Kenneth R. Hill, AECOM  
Keith Nagel, AMUSA

Attachment

ArcelorMittal USA  
4020 Kinross Lakes Parkway  
Richfield OH 44286  
T + (330) 659-9162



Ms. Sangsook Choi  
U. S. Environmental Protection Agency  
Region V, WC-15J  
77 West Jackson Boulevard  
Chicago, Illinois 60604

April 30th, 2018

Subject: ArcelorMittal USA LLC -- (Formerly known as Ispat Inland Inc.)  
Civil Action H90-0328 - Consent Decree Deliverables -- Sediment  
Quarterly Update -- First Quarter 2018

Dear Ms. Choi:

In accordance with Section X of the Consent Decree, please find enclosed the Sediment Quarterly Status Report for the First Quarter 2018. Also attached is an annual accounting of costs associated with the Indiana Harbor Dredging Project.

Should you have any questions regarding this submittal, please contact me at (219) 399-2380.

Sincerely,



Thomas R. Barnett  
Sediment Project Manager  
Consent Decree, Environmental

TRB/nmc

Attachments

N:\Eaffairs\Quarterly Reports\1Q18\Consent Decree-Sediment TRB

ArcelorMittal USA LLC.

Indiana Harbor East  
3001 Dickey Road  
East Chicago, IN 46312  
Mail Station 001

T + (219) 399-2380  
F + (219) 399-3211

**USEPA - ArcelorMittal USA CONSENT DECREE  
SEDIMENT CHARACTERIZATION & REMEDIATION  
EXPENDITURE SUMMARY**

**1<sup>st</sup> Quarter 2018 (January, February, March)**

*This report provides items required by Section VIII, Supplemental Environmental Projects (SEP)*

**Sediment Characterization and Remediation SEP**

**1. Progress Made:**

ArcelorMittal performed the following activities during this quarter:

- Participated in the USEPA Great Lakes National Program Office (GLNPO) conference calls regarding PCB hotspot remediation.
- Participated in the USEPA GLNPO feasibility study (FS) and sampling plan review and coordination of sampling event.
- Discussed budgets and miscellaneous projects with the US Army Corps of Engineers (USACE) to plan for the continuing dredging USACE will do for ArcelorMittal.
- Tracked the progress of the Indiana Harbor and Canal Dredging Project activities by USACE and attended meetings of the local dredging project sponsor, the East Chicago Waterways Management District (ECWMD).

**2. Projected Work for Next Six Months:**

- Plan PCB sediment remediation with USEPA.
- Plan 2018 dredging with USACE and ECWMD.  
Secure permit for dredging off of No. 6 and 7 Dock as agreed with the ACE. ArcelorMittal will dredge and dispose of this material due to the inability of the environmental dredge to remove this clayey material, and the inability to slurry and pump this material into the CDF. Material will be disposed of at the Republic Newton County landfill. Permit application to the IDNR has been made.
- Monitor revisions to the Comprehensive Management Plan for the Indiana Harbor Canal Dredging.
- Attend ECWMD meetings.
- Prepare & submit the Annual Report.
- Gather appropriate documentation for the Completion Report that will be submitted when the SEP remediation is complete.

**3. Description and Percentage of Sediment Remediation Completed:**

The remediation is 60% complete, based on credited SEP spending.



USEPA - ArcelorMittal USA CONSENT DECREE  
SEDIMENT CHARACTERIZATION & REMEDIATION  
EXPENDITURE SUMMARY

1<sup>st</sup> Quarter 2018 (January, February, March)

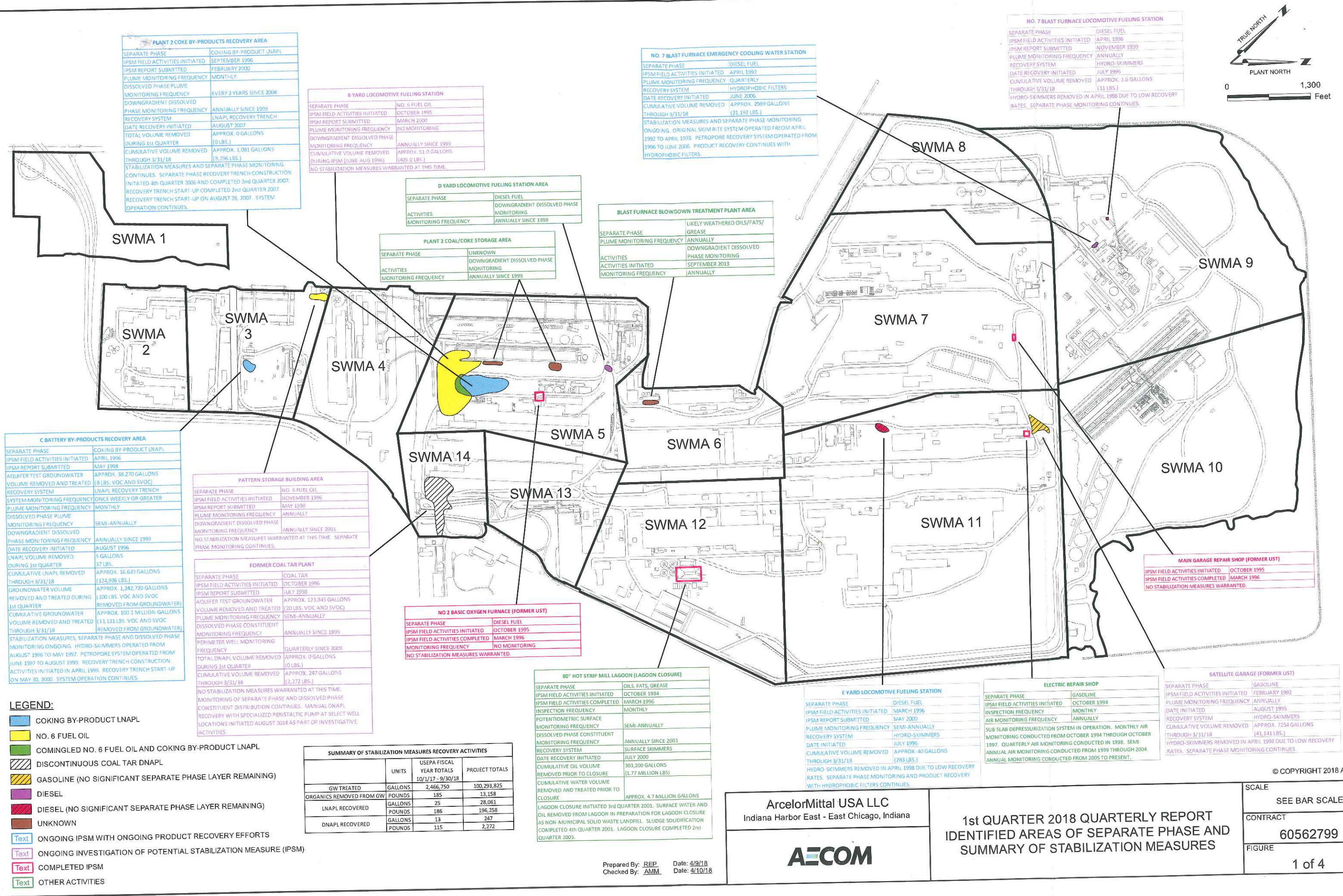
4. Summaries of Findings: None.
5. Summaries of all Changes to the SCS: None this quarter.
6. Summaries of Contacts with Local Groups or State Officials:
  - ArcelorMittal attended meetings of the East Chicago Waterways Management District Board (ECWMD).
  - Telephone and written correspondence with IDNR for permission to dredge near docks 6 & 7 at the request of USACE, as allowed by the Consent Decree. ArcelorMittal will contract with the dredger for removal of this material for disposal in the Republic Newton County Landfill.
7. Summaries of Problems or Potential Problems: NA
8. Actions Being Taken to Rectify Problems: NA
9. Changes in Key Personnel: NA
10. Modification of Approved Work Plan(s): None
11. Statement of Compliance: ArcelorMittal is in compliance with the requirements of Section VIII.
12. Financial Summary, Sediment Characterization and Remediation SEP:
  1. Funds remaining: \$8,128,567.
  2. Interest accrued: Interest began accumulating on January 1, 1997. The 13-Week T-Bill rate per the Wall Street Journal on the first business day of the quarter (1/04/2018) was 1.055%. The accrued interest for this quarter was calculated to be \$21,384. The total interest accumulated to date is \$9,361,782. Details of the interest calculation are provided on the following pages.
  3. Expenditures credited to the Consent Decree this quarter: \$1,200.
  4. Financial Details are presented on the following pages.













# Total Removed from Soil / Ground Water = 30,060 Gallons [602 Drums; 211,689 Pounds] Organic Constituents

**Coking By-Product LNAPL**  
(Former C Battery Coking By-Products Recovery Area)

**16,643 gallons**  
(332.9 drums)  
(124,926 pounds)



Ground-water Removal with LNAPL Recovery  
Operating Since May 2000



**Coking By-Product LNAPL**  
(Former Plant 2 Coking By-Products Recovery Area)

**1,081 gallons**  
(21.6 drums)  
(8,296 pounds)



8 Passive LNAPL Recovery Pumps  
Operating Since September 2007

**VOCs & SVOCs**  
(primarily BTX & naphthalene)  
(C Battery Ground Water Treatment Plant, Aquifer Tests)

**1,753 gallons**  
(35.1 drums)  
(13,158 pounds)



Ground-water Removal with LNAPL Recovery  
Operating Since May 2000

162,115 gallons GW treated - Aquifer Tests  
100,131,710 gallons GW treated - Treatment Plant

**Gasoline**  
(Satellite Garage Area)

**7,254 gallons**  
(145.1 drums)  
(41,141 pounds)



Hydrophobic Filters in Observation Wells  
Source Removal & Passive LNAPL Skimmers 1995-1998

**Diesel Fuel**  
(E Yard LFS,  
No. 7 Blast Furnace LFS, &  
No. 7 Blast Furnace ECWFS)

**3,031 gallons**  
(60.6 drums)  
(21,487 pounds)



Hydrophobic Filters in Observation Wells  
Source Removal & Passive LNAPL Skimmers 1992-2006

**No. 6 Fuel Oil**  
(B Yard investigation activities)

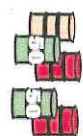
**51 gallons**  
(1 drum)  
(409 pounds)



Field Activities Completed  
June 1996

**Coking By-Product DNAPL**  
(Former Coal Tar Plant Area investigation activities)

**247 gallons**  
(4.9 drums)  
(2,272 pounds)



Manual Recovery - Peristaltic Pump  
Since August 2014

Volumes shown: Tanker truck (5000 gallons); Tote (400 gallons); Drum (50 gallons); Small Drum (21-25 gallons); bucket (<5 gallons).  
Abbreviations: BTX = Benzene, Toluene, Ethylbenzene & Xylenes; DNAPL = Dense Non-Aqueous Phase Liquid; ECWFS = Emergency Cooling Water Fueling Station; GW = Ground Water;  
LFS = Locomotive Fueling Station; LNAPL = Light Non-Aqueous Phase Liquid; SVOCs = Semi-Volatile Organic Compounds; VOCs = Volatile Organic Compounds.  
Completed By: REP 4/6/2018; Checked By: AMM 4/8/2018

ARCELORMITTAL USA LLC - ARCELORMITTAL EAST

EAST CHICAGO, INDIANA

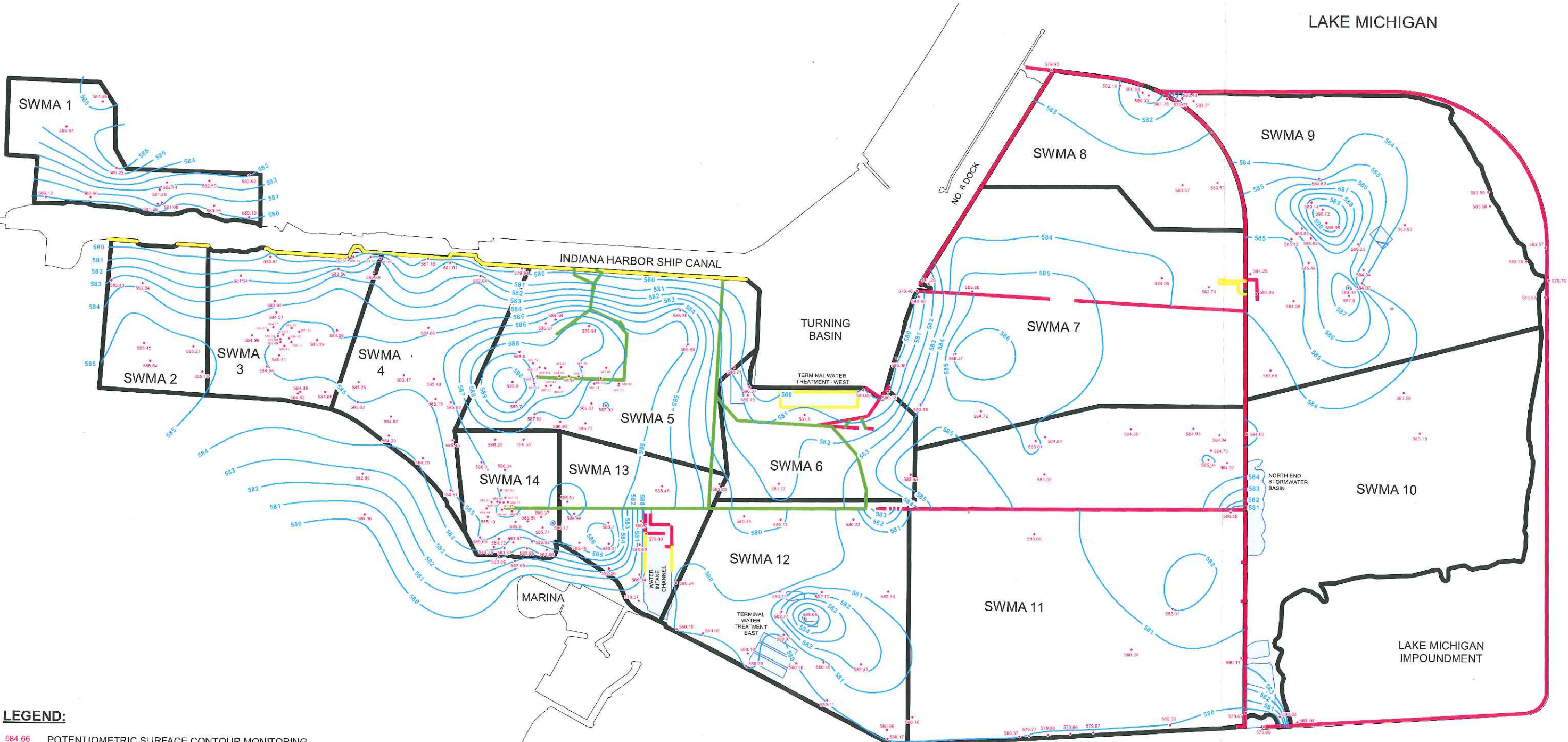
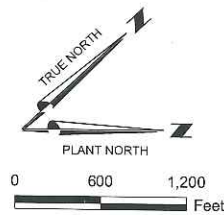
**AECOM**

TOTAL VOLUME OF ORGANIC CONSTITUENTS  
REMOVED FROM SOIL AND/OR GROUND WATER  
BY STABILIZATION MEASURES ACTIVITIES  
(1994 TO 1ST QUARTER 2018)

JOB NO. 60562799.5000.0030

FIGURE 2 of 4





**LEGEND:**

- 584.66 POTENTIOMETRIC SURFACE MONITORING LOCATION WITH ASSOCIATED GW/SW ELEVATION MEASURED DURING APRIL 2014.
- POTENTIOMETRIC CONTOUR
- CELLULAR REVETMENT
- SHEET PILE REVETMENT
- WOOD PILE REVETMENT
- SWMA BOUNDARY

Note: Elevations shown in feet (Inland Steel Plant Datum)

Prepared By: REP Date: 4/9/18  
Checked By: MJF Date: 4/9/18

ArcelorMittal USA LLC  
Indiana Harbor East - East Chicago, Indiana

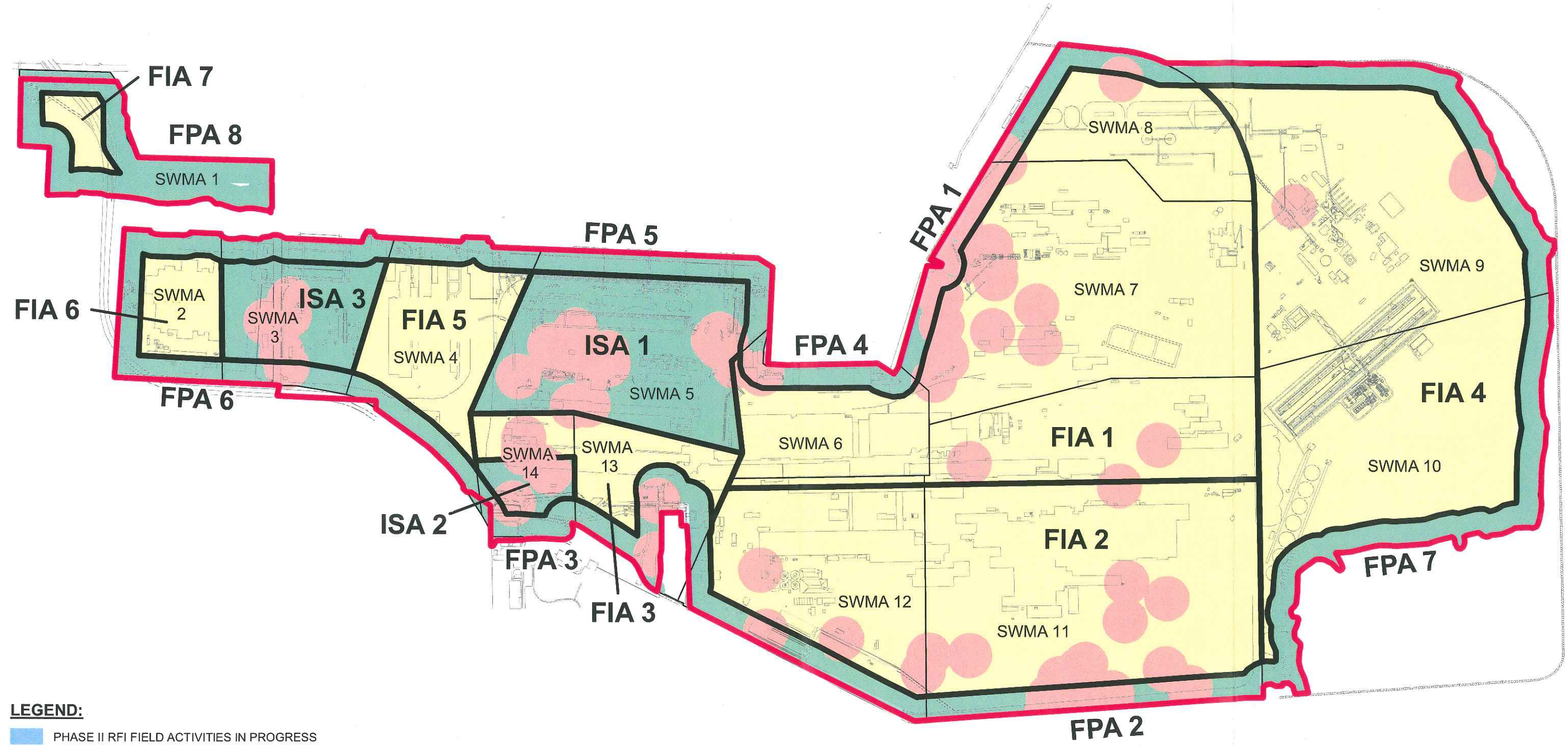
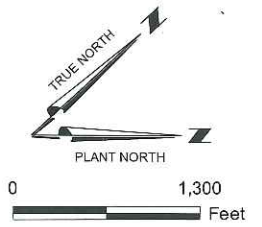
**AECOM**

1st QUARTER 2018 QUARTERLY REPORT  
SITE WIDE POTENTIOMETRIC SURFACE MAP  
(APRIL, 2014)

SCALE	SEE BAR SCALE
CONTRACT	60562799
FIGURE	3 of 4

Path: J:\Projects\ArcelorMittal\80135258 IHE RCRA CAENGR\500010030\Qtrly-2018\1st Quarter 2018\QuarFig3\_Pot\_2014.mxd





- LEGEND:**
- PHASE II RFI FIELD ACTIVITIES IN PROGRESS
  - PHASE II RFI FIELD ACTIVITIES COMPLETED
  - PHASE II RFI DATA ASSESSMENT COMPLETED
  - POTENTIAL PHASE II SOURCE AREAS  
(AREAS ASSOCIATED WITH PHASE I RFI SAMPLE LOCATIONS WHERE ONE OF MORE SCREENING PARAMETERS EXCEED PHASE II RFI TIER 1B SCREENING CRITERIA)
  - IHE PROPERTY BOUNDARY (2011)

Prepared By: DSD Date: 4/9/18  
Checked By: AMM Date: 4/9/18

ArcelorMittal USA LLC Indiana Harbor East - East Chicago, Indiana	1st QUARTER 2018 QUARTERLY REPORT SUMMARY OF PHASE II RFI ASSESSMENT ACTIVITIES		SCALE
			SEE BAR SCALE
			CONTRACT
			60562799
		FIGURE	4 of 4